

## Lightweight Laser Designator Rangefinder

The Lightweight Laser Designator Rangefinder (LLDR) AN/PED-1 enables Army fire support teams and forward observers to observe and accurately locate targets, digitally transmit target location data to the tactical network, and laser-designate high priority targets for destruction by precision munitions.

### Performance Characteristics

LLDR is a man-portable, modular target location and laser designation system, with two primary components:

- The Target Locator Module (TLM), which can be used as a stand-alone device or in conjunction with the LDM
- The Laser Designator Module (LDM)

**Total System Weight:** 35 pounds (24-hour mission)

The TLM incorporates:

- Thermal imager
- Day camera
- Electronic display
- Eye-safe laser rangefinder
- Digital magnetic compass
- Global Positioning System (GPS) electronics
- Digital export capability



TLM has an integral capability for boresighting with the LDM, enabling the operator to see the laser spot and align the system. At night and in obscured battlefield conditions, the operator can recognize vehicle-sized targets at greater than 2.5 kilometers. During day operations, targets can be recognized at greater than 7 kilometers. The LDM emits coded laser pulses compatible with DoD and NATO laser-guided munitions. Targets can be designated at ranges greater than 5 kilometers.

